

Northern Kentucky Area Occupational Outlook to 2010



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NORTHERN KENTUCKY AREA OCCUPATIONAL OUTLOOK TO 2010

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January 2004

Education Cabinet--Equal Education and Employment Opportunities M/F/D

Printed with government funds

PREFACE

The Labor Market Information in this publication is based on a large array of labor market statistics collected and developed by the staff of the Research and Statistics (R&S) Branch in the Kentucky Department for Employment Services. The Labor Market Information (LMI) Section within R&S developed the projections and this publication.

The Kentucky Occupational Employment Statistics (OES) survey of Kentucky employers provided the occupational employment data used in the study. This is a statewide survey of approximately 20,000 employers, over a three-year period, representing the various industries in Kentucky. The employment data used to project industries to the year 2010 were based on the Current Employment Statistic (CES) and the Employment and Earnings (ES-202) programs. The projected total growth in each Area Development District (ADD) was based on employment data from 1971 through 2000 developed from the Local Area Unemployment Statistics (LAUS) program. Data from all of the above programs were used to develop the occupational outlook to 2010 publications for each Area Development Districts listed below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyriple Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The projections and this publication are funded by the U.S. Department of Labor (USDOL), Employment and Training Administration. The national industry and occupational projections developed by the U. S. Department of Labor's Bureau of Labor Statistics were used in the process to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the occupational projections. Special thanks go to the Kentucky employers who completed the questionnaires that provided the employment information necessary for this effort.

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INTRODUCTION

Which jobs will be in demand in the Northern Kentucky Area from now until the year 2010? Which occupations will provide the most job openings each year through 2010? Which occupations are likely to grow the fastest and which are likely to decline from 2000 to 2010? The *Northern Kentucky Area Occupational Outlook to 2010* offers some insight into these often asked questions. Students, job seekers, counselors and others should find this report helpful.

This report contains highlights and a user's guide to occupational statistics that provide answers to frequently asked questions regarding the statistics. Also included are tables of the top 45 Northern Kentucky Area occupations with the most annual job openings and the 44 fastest-growing Northern Kentucky Area occupations. The Northern Kentucky Area Occupational Employment Outlook and Job Openings tables beginning on page 9 provides occupational employment projections for a variety of occupations. This table also presents, for each of these occupations, the number and percentage of expected change in employment and the average number of annual job openings for the period of 2000 to 2010.

While this study provides projections of occupational trends and job openings in the Northern Kentucky Area, it should be stressed that the estimates are subject to the limitations that are a part of any effort to determine future conditions. It is impossible to predict what the Northern Kentucky Area will look like in 2010. The projections of long-term trends into the future, however, should provide valuable insight into the likely magnitude of occupational growth or decline in the area. The projections have been carefully prepared using accepted methods within a framework of national, state and area assumptions. They will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2000 through 2010. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

With a projected tighter labor market resulting from Kentucky's labor force growing more slowly than employment, along with the structural and technological changes that are taking place in all industries, the development and utilization of our human resources have become a top priority for all those concerned with employment training. Education and training programs that can meet the needs of employers today and in the future will take on even greater importance. To meet this challenge, it is crucial that education and training planners, business, labor, government and job seekers have the necessary occupational information to assist them in making informed, intelligent decisions in the development of these education and training programs as well as individual career choice. This publication was designed to assist users in these tasks.

NOTE: These 2000-2010 projections use the new Standard Occupational Classification (SOC) system, while prior versions of projections used the Occupational Employment Statistics (OES) codes for classifying occupations. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different. Several major groups have been renamed, combined, or reorganized. Some individual occupations also have been renamed or classified within different major groups. Some occupations are no longer listed, while newer occupations are listed for the first time with the SOC system. Because of these changes, the 2000-2010 projections are not comparable with earlier sets of projections. Information of the SOC system can be obtained at the U.S. Bureau of Labor Statistics SOC Home Page at <http://www.bls.gov/soc/home.htm>.

HIGHLIGHTS

- ✓ Northern Kentucky Area employment is expected to grow from 190,337 to 229,701 between 2000 and 2010, a gain of 20.7 percent.
- ✓ Between 2000 and 2010, the total annual job openings are expected to be about 8,633.
- ✓ Growth in employment will make available about 3,936 job openings annually.
- ✓ Approximately 4,697 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Approximately 46 percent of job openings will result from growth, and the remaining 54 percent will result from separations from the labor force.
- ✓ The greatest number of job openings will be in the Office and Administrative Support Occupations (1,402), followed by the Sales and Related Occupations (991), and the Food Preparation and Serving Related Occupations (908).
- ✓ Particular Occupations with the largest percentage of change from 2000 to 2010 in the Northern Kentucky Area are Private Detectives and Investigators (104.7%), Surgical Technologists (85.7%), Network and Computer Systems Administrators (79.4%) and Substance Abuse and Behavioral Disorder Counselors (72.0%).
- ✓ The largest growth rates between 2000 and 2010 are expected to be in the Computer and Mathematical Occupations (69.0%), the Healthcare Support Occupations (50.1%), and the Healthcare Practitioners and Technical Occupations (39.8%).
- ✓ The top two Northern Kentucky Area occupations with the most annual job openings are Retail Salespersons (397) and Cashiers (299).

A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?

- 1) Total average annual job openings and
- 2) Employment change expressed as a percentage

The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.

What creates job openings?

- 1) Employment growth (new jobs)
- 2) Employment separations (job vacancies created by persons separating from an occupation)

What causes employment change?

Industrial growth or decline has the greatest influence on employment change. Industrial growth occurs when the demand for goods and services rises and, in turn, the demand for workers to produce those goods and services rises.

Technological change can raise the demand for some skills while eliminating the need for others. As this shift is going on, demand in the industry as a whole may be rising or falling.

New ways of doing business such as self-service, out-sourcing, or 24-hour operations can affect employment change.

Then what about employment separations?

Employment separations are still important when evaluating an occupation's potential outlook. Job openings are created by persons separating from an occupation because of retirements, promotions into different occupations, career changes, or deaths. In many instances, the number of employment separations exceeds new jobs.

Do workers tend to leave one occupation more than another?

Every occupation has a different rate of employment separations. Those occupations that require much education and training and/or have a high percentage of full-time workers tend to have low separation rates. But occupations that require little education and/or training tend to have higher separation rates.

What factors affect the number of job openings for an occupation?

- 1) The overall size of the occupation: How many workers are employed already?
- 2) The occupation's separation rate: How many job vacancies are created from workers separating from the occupation?
- 3) The occupation's rate of change: How fast is it growing or declining?

Which factor is more important?

Size of employment and separation rate are more important than rate of change in affecting the number of job openings.

What is the best way to compare one occupation with another?

- 1) Look at the total average annual job openings, not just openings resulting from growth. A large number of openings means it should be relatively easy to find a job in that occupation.
- 2) Look at the employment change expressed as a percentage. A high percentage increase in employment means that there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 45
Northern KY Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings		
		Average Annual 2000-2010		
		Growth	Separations	Total
<u>Management Occupations</u>				
11-1021	General and Operations Managers	49	58	107
<u>Business and Financial Operations Occupations</u>				
13-2011	Accountants and Auditors	27	15	42
<u>Education, Training & Library Occupations</u>				
25-9041	Teacher Assistants	47	32	79
25-2011	Preschool Teachers, Except Special Education	48	13	61
25-2021	Elementary School Teachers, Ex. Special Ed	24	35	59
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed	21	30	51
<u>Healthcare Practitioners and Technical Occupations</u>				
29-1111	Registered Nurses	85	45	130
29-2061	Licensed Practical & Licensed Vocational Nurses	33	21	54
<u>Healthcare Support Occupations</u>				
31-1012	Nursing Aides, Orderlies, and Attendants	68	18	86
31-9092	Medical Assistants	36	15	51
<u>Protective Service Occupations</u>				
33-9032	Security Guards	67	39	106
<u>Food Preparation and Serving Workers</u>				
35-3031	Waiters and Waitresses	55	188	243
35-3021	Combined Food Prep. & Serving Workers	75	157	232
35-2021	Food Preparation Workers	25	52	77
35-3011	Bartenders	9	54	63
35-2014	Cooks, Restaurant	25	37	62
35-1012	Supervisors of Food Preparation and Serving	12	28	40
35-9021	Dishwashers	0	39	39
<u>Building and Grounds, Cleaning and Maintenance Occupations</u>				
37-2011	Janitors & Cleaners, Ex. Maids and Housekeep.	48	56	104
37-2012	Maids and Housekeeping Cleaners	33	39	72
37-3011	Landscaping and Groundskeeping Workers	33	26	59

Top 45
Northern KY Area Occupations With The Most Annual Job Openings (cont'd)

Occupation Code	Occupational Title	Job Openings		
		Growth	Separations	Total
Average Annual 2000-2010				
<u>Personal Care and Service Occupations</u>				
39-9011	Child Care Workers	96	145	241
<u>Sales and Related Occupations</u>				
41-2031	Retail Salespersons	135	262	397
41-2011	Cashiers	61	238	299
41-1011	Supervisors of Retail Sales Workers	26	30	56
41-4012	Sales Reps, Wholesale & Manuf., Ex. Technical	16	40	56
41-2021	Counter and Rental Clerks	13	34	47
<u>Office and Administrative Support Occupations</u>				
43-4051	Customer Service Representatives	171	22	193
43-5081	Stock Clerks and Order Fillers	32	117	149
43-9061	Office Clerks, General	61	61	122
43-6011	Executive Secretaries & Administrative Assistants	50	40	90
43-1011	Supervisors of Office and Administrative	44	40	84
43-4171	Receptionists and Information Clerks	38	27	65
43-3031	Bookkeeping, Accounting, and Auditing Clerks	17	39	56
43-5071	Shipping, Receiving, and Traffic Clerks	24	28	52
<u>Construction and Extraction Occupations</u>				
47-2111	Electricians	23	17	40
<u>Installation, Maintenance and Repair Occupations</u>				
49-9042	Maintenance and Repair Workers, General	14	26	40
49-1011	Supervisors of Mechanics, Installers	17	21	38
<u>Production Occupations</u>				
51-2092	Team Assemblers	38	36	74
51-1011	Supervisors of Production and Operating	12	33	45
51-9198	Helpers--Production Workers	20	20	40
<u>Transportation and Material Moving Occupations</u>				
53-7064	Packers and Packagers, Hand	94	85	179
53-3032	Truck Drivers, Heavy and Tractor-Trailer	125	36	161
53-7062	Laborers, Freight, Stock & Material Movers, Hand	60	82	142
53-7051	Industrial Truck and Tractor Operators	41	20	61

**Top 45
Fast-Growing Northern KY Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2000	Projected 2010	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010
<u>Management Occupations</u>						
11-9031	Education Admin., Preschool & Child Care	142	244	102	71.8	14
11-2022	Sales Managers	406	622	216	53.2	28
11-9111	Medical and Health Services Managers	231	348	117	50.6	16
11-3021	Computer and Information Systems Managers	329	493	164	49.8	22
11-2011	Advertising and Promotions Managers	124	178	54	43.5	7
<u>Business and Financial Operations Occupations</u>						
13-1072	Compensation, Benefits & Job Analysis Spec	67	94	27	40.3	4
<u>Computer and Mathematical Occupations</u>						
15-1071	Network and Computer Systems Administrators	345	619	274	79.4	29
15-1032	Computer Software Eng., Systems Software	85	145	60	70.6	7
15-1061	Database Administrators	168	282	114	67.9	12
<u>Life, Physical, and Social Science Occupations</u>						
19-3021	Market Research Analysts	72	108	36	50.0	6
<u>Community & Social Services Occupations</u>						
21-1011	Substance Abuse & Behavioral Disorder Couns.	107	184	77	72.0	10
21-1093	Social and Human Service Assistants	403	677	274	68.0	33
21-1023	Mental Health & Substance Abuse Social Worker	67	98	31	46.3	4
<u>Legal Occupations</u>						
23-2011	Paralegals and Legal Assistants	220	321	101	45.9	11
23-1011	Lawyers	358	507	149	41.6	17
<u>Education, Training & Library Occupations</u>						
25-2011	Preschool Teachers, Except Special Education	1,044	1,523	479	45.9	61
25-2041	Special Ed. Teachers, Preschool to Elementary	244	341	97	39.8	13
<u>Arts, Design, Entertainment, Sports & Media Occupations</u>						
27-3031	Public Relations Specialists	173	245	72	41.6	10
<u>Healthcare Practitioners and Technical Occupations</u>						
29-1123	Physical Therapists	227	370	143	63.0	20
29-1126	Respiratory Therapists	60	94	34	56.7	5
29-1131	Veterinarians	51	79	28	54.9	4
29-1122	Occupational Therapists	39	57	18	46.2	3
29-1127	Speech-Language Pathologists	121	169	48	39.7	8

Top 45
Fast-Growing Northern KY Area Occupations (cont'd)

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2000	Projected 2010	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010
<u>Healthcare Practitioners and Technical Occupations (cont'd)</u>						
29-2055	Surgical Technologists	56	104	48	85.7	7
29-2071	Medical Records & Health Information Tech.	214	363	149	69.6	20
29-2031	Cardiovascular Technologists and Technicians	68	103	35	51.5	6
29-2052	Pharmacy Technicians	250	362	112	44.8	18
29-2061	Licensed Practical & Licensed Vocational Nurses	829	1,156	327	39.4	54
29-2081	Opticians, Dispensing	46	64	18	39.1	3
<u>Healthcare Support Occupations</u>						
31-2021	Physical Therapist Assistants	69	116	47	68.1	7
31-9092	Medical Assistants	550	914	364	66.2	51
31-2022	Physical Therapist Aides	38	63	25	65.8	4
31-9091	Dental Assistants	290	463	173	59.7	22
31-9096	Veterinary Assist. & Lab. Animal Caretakers	57	88	31	54.4	5
31-1012	Nursing Aides, Orderlies, and Attendants	1,412	2,096	684	48.4	86
31-1011	Home Health Aides	252	355	103	40.9	13
<u>Protective Service Occupations</u>						
33-9021	Private Detectives and Investigators	107	219	112	104.7	14
33-9032	Security Guards	1,443	2,117	674	46.7	106
<u>Personal Care and Service Occupations</u>						
39-9021	Personal and Home Care Aides	153	215	62	40.5	8
<u>Sales and Related Occupations</u>						
41-9011	Demonstrators and Product Promoters	178	264	86	48.3	15
<u>Office and Administrative Support Occupations</u>						
43-4051	Customer Service Representatives	2,575	4,285	1,710	66.4	193
43-9031	Desktop Publishers	72	117	45	62.5	6
43-4111	Interviewers, Except Eligibility and Loan	238	368	130	54.6	18
43-5011	Cargo and Freight Agents	192	267	75	39.1	12
<u>Transportation and Material Moving Occupations</u>						
53-3032	Truck Drivers, Heavy and Tractor-Trailer	2,601	3,849	1,248	48.0	161

Explanation of Data Elements on the Occupational Outlook Table

Occupational Employment Outlook and Job Openings

Occupational		Employment 2000 2010		Job Growth 2000 2010		Average Annual Job Openings			Average Wage	Education/ Training Required *
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	
<p>• Occupational Codes and Titles used in this report are based on the <i>Standard Occupational Coding (SOC)</i> Structure.</p> <p>NOTE:</p> <p><i>Alphabetical listing beginning on page 34 should help locate a specific occupation within the tables.</i></p>		<p>• Estimated 2000 employment is based on the <i>Occupational Employment Statistics (OES)</i> Survey of employers.</p> <p>• Projected 2010 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2000 and 2010.</p> <p>NOTE:</p> <p><i>The Occupational employment estimates for 2000 to 2010 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</i></p>		<p>• Number - The total number of jobs in an occupation gained or lost over the 2000 to 2010 period.</p> <p>• Percent - Percent change in employment in an occupation over the ten year period.</p> <p>NOTE:</p> <p><i>In Kentucky, 16.0 percent job growth between 2000 and 2010 is the average growth for all occupations.</i></p> <p><i>An occupation is expected to experience:</i></p> <ol style="list-style-type: none"> 1) <i>average growth if percent change is between 12 to 18%;</i> 2) <i>very fast growth if > 30%;</i> 3) <i>fast growth if >18% < 30%;</i> 4) <i>slow growth if >5% <12%;</i> 5) <i>very slow growth if >0% <5%;</i> 6) <i>negative or declining growth <0%.</i> 		<p>• Growth openings provide estimates of the average number of job openings expected to occur each year between 2000 and 2010 that result from employment growth.</p> <p>• Separation openings provide estimates of the average number of job openings expected to occur each year in an occupation, resulting from workers separating or leaving the occupation for such reasons as retirement, promotion, or simply transferring among occupations. Such separations would require replacement workers.</p> <p>• Total openings provide estimates of the total number of job openings expected each year from employment growth or job separations.</p> <p>NOTE:</p> <p><i>If employment growth is negative, the total number of job openings will equal the number of separations. They are equal because the number of separations already takes into account the negative employment growth.</i></p>			<p>• Average wage in this report always refers to the 2001 mean average hourly wage.</p> <p>NOTE</p> <p><i>Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming the average working months per year was 9.5 and average hours worked per week was 40.</i></p>	<p>• Education and Training Levels Usually Required were developed by the Bureau of Labor Statistics and grouped into eleven levels (1-11).</p> <p>*NOTE</p> <p><i>The various levels are described in detail on page 33 of this report.</i></p>

Northern Kentucky Area

Management Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010-2000 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
00-0000	Total, All Occupations	190,337	229,701	39,364	20.7	3,936	4,697	8,633	n/a	n/a
11-0000	Management Occupations	14,929	17,122	2,193	14.7	219	243	462	n/a	n/a
11-1000	Top Executives	3,928	4,519	591	15.0	59	73	132	n/a	n/a
11-1011	Chief Executives	499	605	106	21.2	11	16	27	52.70	4
11-1021	General and Operations Managers	3,429	3,914	485	14.1	49	58	107	31.71	4
11-2000	Advertising, Marketing, Promotions, PR & Sales	850	1,230	380	44.7	38	12	50	n/a	n/a
11-2011	Advertising and Promotions Managers	124	178	54	43.5	5	2	7	28.83	4
11-2020	Marketing and Sales Managers	632	922	290	45.9	29	9	38	n/a	n/a
11-2021	Marketing Managers	226	300	74	32.7	7	3	10	28.50	4
11-2022	Sales Managers	406	622	216	53.2	22	6	28	35.88	4
11-2031	Public Relations Managers	94	130	36	38.3	4	1	5	29.02	4
11-3000	Operations Specialties Managers	2,710	3,332	622	23.0	62	47	109	n/a	n/a
11-3011	Administrative Services Managers	471	538	67	14.2	7	8	15	24.83	4
11-3021	Computer and Information Systems Managers	329	493	164	49.8	16	6	22	36.81	4
11-3031	Financial Managers	712	864	152	21.3	15	11	26	32.38	4
11-3040	Human Resources Managers	321	396	75	23.4	8	6	14	29.62	4
11-3051	Industrial Production Managers	340	399	59	17.4	6	6	12	31.88	5
11-3061	Purchasing Managers	220	225	5	2.3	1	7	8	29.23	4
11-3071	Transportation, Storage & Distribution Managers	317	417	100	31.5	10	5	15	28.55	8
11-9000	Other Management Occupations	7,441	8,041	600	8.1	60	110	170	n/a	n/a
11-9010	Agricultural Managers	1,905	1,624	-281	-14.8	0	11	11	n/a	n/a
11-9012	Farmers and Ranchers	1,883	1,599	-284	-15.1	0	11	11	n/a	9
11-9021	Construction Managers	283	347	64	22.6	6	5	11	27.15	5
11-9030	Education Administrators	514	674	160	31.1	16	13	29	n/a	4
11-9031	Education Admin., Preschool & Child Care	142	244	102	71.8	10	4	14	13.14	4
11-9032	Education Admin., Elementary & Secondary	297	344	47	15.8	5	8	13	n/a	4
11-9033	Education Administrators, Postsecondary	65	75	10	15.4	1	2	3	37.39	4
11-9041	Engineering Managers	228	250	22	9.6	2	4	6	36.13	4
11-9051	Food Service Managers	364	406	42	11.5	4	4	8	16.78	8
11-9061	Funeral Directors	33	34	1	3.0	0	1	1	17.37	6
11-9081	Lodging Managers	53	56	3	5.7	0	1	1	17.92	8
11-9111	Medical and Health Services Managers	231	348	117	50.6	12	4	16	28.77	4
11-9121	Natural Sciences Managers	*	*	*	*	*	*	*	30.86	4
11-9131	Postmasters and Mail Superintendents	41	31	-10	-24.4	0	1	1	23.87	8
11-9141	Property, Real Estate, Community Assn Manager	143	156	13	9.1	1	2	3	19.30	5
11-9151	Social and Community Service Managers	134	170	36	26.9	4	3	7	22.84	5
11-9199	Managers, All Other	3,499	3,924	425	12.1	43	62	105	28.84	8

Northern Kentucky Area

Business & Financial Operations Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010-2000 Percent	Average Annual Growth	2000-2010 Separations	2000-2010 Total		
13-0000	Business and Financial Operations Occupations	5,829	6,623	794	13.6	79	120	199	n/a	n/a
13-1000	Business Operations Specialists	2,947	3,549	602	20.4	60	61	121	n/a	n/a
13-1020	Buyers and Purchasing Agents	530	623	93	17.5	9	12	21	n/a	n/a
13-1022	Wholesale & Retail Buyers, Ex. Farm Products	164	156	-8	-4.9	0	5	5	18.52	5
13-1023	Purchasing Agents, Ex. Wholesale, Retail	357	458	101	28.3	10	7	17	23.10	5
13-1041	Compliance Officers, Ex. Ag., Const., Health	244	236	-8	-3.3	0	6	6	21.25	9
13-1051	Cost Estimators	306	358	52	17.0	5	7	12	22.50	5
13-1070	Human Res., Training & Labor Relations Spec	603	772	169	28.0	17	12	29	n/a	n/a
13-1071	Employment, Recruitment & Placement Spec	164	186	22	13.4	2	3	5	18.25	5
13-1072	Compensation, Benefits & Job Analysis Spec	67	94	27	40.3	3	1	4	22.66	5
13-1073	Training and Development Specialists	372	492	120	32.3	12	7	19	19.11	5
13-1111	Management Analysts	390	481	91	23.3	9	3	12	27.00	4
13-1199	Business Operations Specialists, All Other	710	911	201	28.3	20	18	38	24.21	n/a
13-2000	Financial Specialists	2,882	3,074	192	6.7	19	60	79	n/a	n/a
13-2011	Accountants and Auditors	993	1,265	272	27.4	27	15	42	21.52	5
13-2021	Appraisers and Assessors of Real Estate	*	*	*	*	*	*	*	33.74	n/a
13-2041	Credit Analysts	31	38	7	22.6	1	1	2	20.84	5
13-2050	Financial Analysts and Advisors	159	194	35	22.0	4	2	6	n/a	n/a
13-2051	Financial Analysts	47	65	18	38.3	2	1	3	25.61	5
13-2052	Personal Financial Advisors	83	105	22	26.5	2	1	3	25.27	5
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	17.16	5
13-2070	Loan Counselors and Officers	146	144	-2	-1.4	0	3	3	n/a	n/a
13-2072	Loan Officers	135	130	-5	-3.7	0	3	3	19.87	5
13-2080	Tax Examiners, Collectors, Preparers & Revenue	1,272	1,104	-168	-13.2	0	34	34	n/a	n/a
13-2081	Tax Examiners, Collectors, and Revenue Agents	1,241	1,071	-170	-13.7	0	33	33	15.77	5
13-2082	Tax Preparers	31	33	2	6.5	0	1	1	10.49	10
13-2099	Financial Specialists, All Other	166	192	26	15.7	3	3	6	19.62	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Computer & Mathematical Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual Growth	Average Annual Separations	Average Annual Total		
15-0000 Computer and Mathematical Occupations		2,901	4,904	2,003	69.0	200	24	224	n/a	n/a
15-1000	Computer Specialists	2,864	4,854	1,990	69.5	199	23	222	n/a	n/a
15-1030	Computer Software Engineers	523	996	473	90.4	47	4	51	n/a	n/a
15-1032	Computer Software Eng., Systems Software	85	145	60	70.6	6	1	7	30.50	5
15-1051	Computer Systems Analysts	647	845	198	30.6	20	6	26	28.44	5
15-1061	Database Administrators	168	282	114	67.9	11	1	12	24.49	5
15-1071	Network and Computer Systems Administrators	345	619	274	79.4	27	2	29	23.50	5
15-1099	Computer Specialists, All Other	119	228	109	91.6	11	1	12	23.33	7
15-2000	Mathematical Scientists	37	50	13	35.1	1	1	2	n/a	n/a
15-2031	Operations Research Analysts	*	*	*	*	*	*	*	21.60	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Architecture & Engineering Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
17-0000	Architecture and Engineering Occupations	2,257	2,771	514	22.8	51	48	99	n/a	n/a
17-1000	Architects, Surveyors, and Cartographers	171	211	40	23.4	4	2	6	n/a	n/a
17-1010	Architects, Except Naval	116	154	38	32.8	4	1	5	n/a	n/a
17-1011	Architects, Except Landscape and Naval	111	148	37	33.3	4	1	5	46.10	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	15.81	n/a
17-1020	Surveyors, Cartographers & Photogrammetrists	55	57	2	3.6	0	2	2	n/a	n/a
17-2000	Engineers	1,388	1,712	324	23.3	32	29	61	n/a	n/a
17-2041	Chemical Engineers	38	43	5	13.2	1	1	2	39.31	5
17-2051	Civil Engineers	83	88	5	6.0	1	1	2	26.92	5
17-2070	Electrical and Electronics Engineers	327	431	104	31.8	10	6	16	n/a	n/a
17-2072	Electronics Engineers, Except Computer	68	89	21	30.9	2	1	3	30.37	5
17-2110	Industrial Engineers, Including Health and Safety	209	237	28	13.4	3	4	7	n/a	n/a
17-2111	Health & Safety Engineers, Ex. Mining Safety	35	44	9	25.7	1	1	2	24.05	5
17-2112	Industrial Engineers	174	193	19	10.9	2	3	5	26.45	5
17-2141	Mechanical Engineers	307	378	71	23.1	7	9	16	28.36	5
17-3000	Drafters, Engineering, and Mapping Technicians	698	848	150	21.5	15	17	32	n/a	n/a
17-3010	Drafters	198	256	58	29.3	6	6	12	n/a	n/a
17-3011	Architectural and Civil Drafters	110	151	41	37.3	4	3	7	16.61	7
17-3012	Electrical and Electronics Drafters	32	43	11	34.4	1	1	2	18.01	7
17-3013	Mechanical Drafters	56	62	6	10.7	1	2	3	18.02	7
17-3020	Engineering Technicians, Except Drafters	380	419	39	10.3	4	8	12	n/a	n/a
17-3023	Electrical & Electronic Engineering Technicians	176	204	28	15.9	3	4	7	22.90	6
17-3026	Industrial Engineering Technicians	58	62	4	6.9	0	1	1	17.93	6
17-3027	Mechanical Engineering Technicians	50	68	18	36.0	2	1	3	20.41	6
17-3099	Drafters, Eng. & Mapping Technicians, All Other	90	131	41	45.6	4	2	6	20.41	6

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Life, Physical & Social Science Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010 Percent	Average Annual Growth	2000-2010 Separations	2000-2010 Total		
19-0000	Life, Physical, and Social Science Occupations	586	748	162	27.6	16	16	32	n/a	n/a
19-1000	Life Scientists	74	83	9	12.2	1	3	4	n/a	n/a
19-1031	Conservation Scientists	*	*	*	*	*	*	*	21.11	5
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	19.69	5
19-2000	Physical Scientists	115	131	16	13.9	2	4	6	n/a	n/a
19-2030	Chemists and Materials Scientists	76	80	4	5.3	0	2	2	n/a	n/a
19-2031	Chemists	73	78	5	6.8	1	2	3	27.78	5
19-2041	Environmental Scientist & Specialist, Inc Health	*	*	*	*	*	*	*	20.61	5
19-3000	Social Scientists and Related Workers	179	252	73	40.8	7	4	11	n/a	n/a
19-3020	Market and Survey Researchers	95	149	54	56.8	5	2	7	n/a	n/a
19-3021	Market Research Analysts	72	108	36	50.0	4	2	6	22.96	5
19-3031	Clinical, Counseling, and School Psychologists	75	93	18	24.0	2	2	4	17.49	3
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	*	*	*	20.04	3
19-4000	Life, Physical, and Social Science Technicians	218	282	64	29.4	6	6	12	n/a	n/a
19-4031	Chemical Technicians	69	83	14	20.3	1	2	3	15.49	6
19-4090	Misc. Life, Physical & Social Science Technicians	84	130	46	54.8	5	3	8	n/a	n/a
19-4091	Environmental Science & Protection Technicians	*	*	*	*	*	*	*	14.12	6
19-4099	Life, Physical & Social Science Tech, All Other	48	72	24	50.0	2	2	4	12.87	6

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Community & Social Services Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
21-0000	Community and Social Services Occupations	2,698	3,596	898	33.3	90	49	139	n/a	n/a
21-1000	Counselors, Social Workers & Other Community	1,880	2,588	708	37.7	71	28	99	n/a	n/a
21-1010	Counselors	592	820	228	38.5	23	12	35	n/a	n/a
21-1011	Substance Abuse & Behavioral Disorder Couns.	107	184	77	72.0	8	2	10	11.74	3
21-1012	Educational, Vocational, and School Counselors	205	253	48	23.4	5	4	9	20.96	3
21-1015	Rehabilitation Counselors	100	131	31	31.0	3	2	5	13.10	3
21-1020	Social Workers	823	1,016	193	23.5	19	9	28	n/a	n/a
21-1022	Medical and Public Health Social Workers	63	91	28	44.4	3	1	4	18.04	5
21-1023	Mental Health & Substance Abuse Social Worker	67	98	31	46.3	3	1	4	14.83	n/a
21-1090	Misc. Community and Social Service Specialists	465	752	287	61.7	29	7	36	n/a	n/a
21-1091	Health Educators	*	*	*	*	*	*	*	17.10	3
21-1093	Social and Human Service Assistants	403	677	274	68.0	27	6	33	9.14	10
21-2000	Religious Workers	750	934	184	24.5	18	20	38	n/a	n/a
21-2021	Directors, Religious Activities and Education	94	118	24	25.5	2	2	4	n/a	5
21-9000	Misc. Counselors, Social, & Religious Workers	68	74	6	8.8	1	1	2	n/a	n/a
21-9099	Counselors, Social & Religious Worker, All Other	68	74	6	8.8	1	1	2	n/a	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Legal Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
23-0000	Legal Occupations	1,337	1,513	176	13.2	18	11	29	n/a	n/a
23-1000	Lawyers, Judges, and Related Workers	364	512	148	40.7	15	3	18	n/a	n/a
23-1011	Lawyers	358	507	149	41.6	15	2	17	n/a	1
23-2000	Legal Support Workers	294	412	118	40.1	12	2	14	n/a	n/a
23-2011	Paralegals and Legal Assistants	220	321	101	45.9	10	1	11	15.51	6
23-2090	Miscellaneous Legal Support Workers	74	91	17	23.0	2	1	3	n/a	n/a
23-2092	Law Clerks	53	73	20	37.7	2	1	3	9.34	5
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	*	*	*	16.68	10
23-9000	Miscellaneous Legal & Related Workers	679	589	-90	-13.3	0	6	6	n/a	n/a
23-9099	Legal and Related Workers, All Other	679	589	-90	-13.3	0	6	6	15.74	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Education, Training & Library Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
25-0000	Education, Training, and Library Occupations	9,551	11,860	2,309	24.2	231	193	424	n/a	n/a
25-1000	Postsecondary Teachers	1,186	1,512	326	27.5	33	32	65	n/a	n/a
25-1011	Business Teachers, Postsecondary #	55	67	12	21.8	1	2	3	52.10	2
25-1020	Math and Computer Teachers, Postsecondary	70	87	17	24.3	2	2	4	n/a	n/a
25-1021	Computer Science Teachers, Postsecondary #	*	*	*	*	*	*	*	39.64	2
25-1022	Mathematical Sci. Teachers, Postsecondary #	41	49	8	19.5	1	1	2	35.47	2
25-1190	Miscellaneous Postsecondary Teachers	514	700	186	36.2	19	14	33	n/a	n/a
25-1194	Vocational Education Teachers, Postsecondary	450	623	173	38.4	17	12	29	15.56	8
25-2000	Primary, Secondary & Special Ed. Teachers	5,119	6,359	1,240	24.2	124	107	231	n/a	n/a
25-2010	Preschool and Kindergarten Teachers	1,133	1,625	492	43.4	49	14	63	n/a	n/a
25-2011	Preschool Teachers, Except Special Education	1,044	1,523	479	45.9	48	13	61	10.69	5
25-2012	Kindergarten Teachers, Ex. Special Education #	89	102	13	14.6	1	1	2	21.67	5
25-2020	Elementary and Middle School Teachers	2,392	2,738	346	14.5	35	54	89	n/a	n/a
25-2021	Elementary School Teachers, Ex. Special Ed #	1,520	1,759	239	15.7	24	35	59	24.28	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed #	863	968	105	12.2	11	20	31	23.96	5
25-2030	Secondary School Teachers	1,043	1,264	221	21.2	22	32	54	n/a	n/a
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed #	996	1,209	213	21.4	21	30	51	24.64	5
25-2032	Vocational Ed. Teachers, Secondary School #	47	55	8	17.0	1	1	2	26.95	5
25-2040	Special Education Teachers	551	732	181	32.8	18	7	25	n/a	n/a
25-2041	Special Ed. Teachers, Preschool to Elementary #	244	341	97	39.8	10	3	13	24.28	5
25-2042	Special Education Teachers, Middle School #	131	167	36	27.5	4	2	6	24.17	5
25-2043	Special Education Teachers, Secondary School #	176	224	48	27.3	5	2	7	25.27	5
25-3000	Other Teachers and Instructors	1,375	1,601	226	16.4	23	14	37	n/a	n/a
25-3021	Self-Enrichment Education Teachers	308	295	-13	-4.2	0	3	3	9.74	8
25-3999	Teachers, Primary, Secondary & Adult, All Other #	1,050	1,285	235	22.4	24	11	35	15.11	5
25-4000	Librarians, Curators, and Archivists	220	245	25	11.4	3	5	8	n/a	n/a
25-4021	Librarians	178	196	18	10.1	2	4	6	19.62	3
25-4031	Library Technicians	35	42	7	20.0	1	2	3	10.95	11
25-9000	Other Education, Training & Library Occupations	1,651	2,143	492	29.8	49	34	83	n/a	n/a
25-9031	Instructional Coordinators	85	105	20	23.5	2	1	3	18.73	3
25-9041	Teacher Assistants #	1,527	1,993	466	30.5	47	32	79	13.11	11
25-9199	Library, Museum, Training & Other Ed., All Other	*	*	*	*	*	*	*	16.71	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

Northern Kentucky Area

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010-2000 Percent	Average Annual Growth	2000-2010 Separations	2000-2010 Total		
27-0000	Arts, Design, Entertain., Sports & Media Occs	2,877	3,486	609	21.2	61	52	113	n/a	n/a
27-1000	Art and Design Workers	528	674	146	27.7	15	6	21	n/a	n/a
27-1010	Artists and Related Workers	*	*	*	*	*	*	*	n/a	n/a
27-1011	Art Directors	*	*	*	*	*	*	*	26.17	4
27-1013	Fine Artists, Inc. Painters, Sculptors & Illustrators	*	*	*	*	*	*	*	12.68	9
27-1020	Designers	493	623	130	26.4	13	5	18	n/a	n/a
27-1021	Commercial and Industrial Designers	*	*	*	*	*	*	*	19.03	5
27-1023	Floral Designers	134	152	18	13.4	2	1	3	10.09	10
27-1024	Graphic Designers	178	239	61	34.3	6	2	8	19.01	5
27-1026	Merchandise Displayers and Window Trimmers	120	162	42	35.0	4	1	5	11.90	10
27-1099	Art and Design Workers, All Other	*	*	*	*	*	*	*	11.80	5
27-2000	Entertainer, Performer, Sports & Related Worker	1,841	2,164	323	17.5	32	35	67	n/a	n/a
27-2030	Dancers and Choreographers	187	184	-3	-1.6	0	4	4	n/a	n/a
27-2032	Choreographers	50	59	9	18.0	1	1	2	12.91	8
27-2040	Musicians, Singers, and Related Workers	1,516	1,831	315	20.8	32	29	61	n/a	n/a
27-2041	Music Directors and Composers	208	258	50	24.0	5	4	9	n/a	4
27-3000	Media and Communication Workers	407	537	130	31.9	13	9	22	n/a	n/a
27-3020	News Analysts, Reporters and Correspondents	40	44	4	10.0	0	1	1	9.64	9
27-3031	Public Relations Specialists	173	245	72	41.6	7	3	10	20.28	5
27-3040	Writers and Editors	165	217	52	31.5	5	4	9	n/a	n/a
27-3041	Editors	54	70	16	29.6	2	2	4	20.81	5
27-3090	Miscellaneous Media & Communication Workers	*	*	*	*	*	*	*	n/a	n/a
27-3091	Interpreters and Translators	*	*	*	*	*	*	*	16.84	9
27-4000	Media and Communication Equipment Workers	101	111	10	9.9	1	3	4	n/a	n/a
27-4021	Photographers	50	62	12	24.0	1	1	2	9.48	9
27-4099	Media & Communication Equip. Work, All Other	*	*	*	*	*	*	*	26.77	10

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Healthcare Practitioners & Technical Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
29-0000	Healthcare Practitioners & Tech. Occupations	6,109	8,543	2,434	39.8	243	137	380	n/a	n/a
29-1000	Health Diagnosing and Treating Practitioners	3,639	5,051	1,412	38.8	141	77	218	n/a	n/a
29-1031	Dietitians and Nutritionists	*	*	*	*	*	*	*	20.50	5
29-1041	Optometrists	*	*	*	*	*	*	*	34.55	n/a
29-1051	Pharmacists	323	417	94	29.1	9	10	19	36.08	1
29-1060	Physicians and Surgeons	375	500	125	33.3	13	6	19	n/a	1
29-1062	Family and General Practitioners	88	117	29	33.0	3	1	4	61.10	1
29-1065	Pediatricians, General	*	*	*	*	*	*	*	55.32	1
29-1066	Psychiatrists	*	*	*	*	*	*	*	65.21	1
29-1111	Registered Nurses	2,212	3,060	848	38.3	85	45	130	22.04	6
29-1120	Therapists	511	769	258	50.5	26	13	39	n/a	n/a
29-1122	Occupational Therapists	39	57	18	46.2	2	1	3	23.83	5
29-1123	Physical Therapists	227	370	143	63.0	14	6	20	24.05	3
29-1125	Recreational Therapists	33	39	6	18.2	1	1	2	12.75	5
29-1126	Respiratory Therapists	60	94	34	56.7	3	2	5	18.05	6
29-1127	Speech-Language Pathologists	121	169	48	39.7	5	3	8	18.94	3
29-1131	Veterinarians	51	79	28	54.9	3	1	4	28.69	1
29-1199	Health Diagnosing & Treating Pract., All Other	36	50	14	38.9	1	1	2	44.69	1
29-2000	Health Technologists and Technicians	2,357	3,355	998	42.3	100	57	157	n/a	n/a
29-2010	Clinical Laboratory Technologists & Technicians	194	234	40	20.6	4	5	9	n/a	n/a
29-2012	Medical and Clinical Laboratory Technicians	76	91	15	19.7	2	2	4	14.72	6
29-2030	Diagnostic Related Technologists & Technicians	294	396	102	34.7	10	6	16	n/a	n/a
29-2031	Cardiovascular Technologists and Technicians	68	103	35	51.5	4	2	6	14.91	6
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	20.56	6
29-2041	Emergency Medical Technicians & Paramedics	296	405	109	36.8	11	8	19	10.18	7
29-2050	Health Diagnosing, Treating Pract. Support Tech	401	605	204	50.9	20	11	31	n/a	n/a
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	12.99	10
29-2052	Pharmacy Technicians	250	362	112	44.8	11	7	18	10.77	10
29-2055	Surgical Technologists	56	104	48	85.7	5	2	7	15.29	7
29-2061	Licensed Practical & Licensed Vocational Nurses	829	1,156	327	39.4	33	21	54	17.75	7
29-2071	Medical Records & Health Information Tech.	214	363	149	69.6	15	5	20	13.42	6
29-2081	Opticians, Dispensing	46	64	18	39.1	2	1	3	14.01	9
29-9000	Other Healthcare Practitioners & Technical Occs	113	137	24	21.2	2	2	4	n/a	n/a
29-9010	Occupational Health, Safety Specialists & Techs	55	65	10	18.2	1	1	2	20.45	5
29-9090	Misc. Health Practitioners and Technical Workers	58	72	14	24.1	1	1	2	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Healthcare Support Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
31-0000	Healthcare Support Occupations	3,305	4,962	1,657	50.1	166	62	228	n/a	n/a
31-1000	Nursing, Psychiatric, and Home Health Aides	1,706	2,505	799	46.8	80	22	102	n/a	n/a
31-1010	Nursing, Psychiatric, and Home Health Aides	1,706	2,505	799	46.8	80	22	102	n/a	n/a
31-1011	Home Health Aides	252	355	103	40.9	10	3	13	8.90	11
31-1012	Nursing Aides, Orderlies, and Attendants	1,412	2,096	684	48.4	68	18	86	10.02	11
31-1013	Psychiatric Aides	42	54	12	28.6	1	1	2	8.82	11
31-2000	Occupational & Physical Therapist Assist. & Aide	115	189	74	64.3	7	3	10	n/a	n/a
31-2020	Physical Therapist Assistants and Aides	107	179	72	67.3	7	3	10	n/a	n/a
31-2021	Physical Therapist Assistants	69	116	47	68.1	5	2	7	12.64	6
31-2022	Physical Therapist Aides	38	63	25	65.8	3	1	4	10.18	11
31-9000	Other Healthcare Support Occupations	1,484	2,268	784	52.8	78	37	115	n/a	n/a
31-9090	Miscellaneous Healthcare Support Occupations	1,473	2,256	783	53.2	78	37	115	n/a	n/a
31-9091	Dental Assistants	290	463	173	59.7	17	5	22	12.52	10
31-9092	Medical Assistants	550	914	364	66.2	36	15	51	11.12	10
31-9095	Pharmacy Aides	146	169	23	15.8	2	4	6	7.72	11
31-9096	Veterinary Assist. & Lab. Animal Caretakers	57	88	31	54.4	3	2	5	7.81	11
31-9099	Healthcare Support Workers, All Other	200	309	109	54.5	11	5	16	10.52	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Protective Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010 Growth	Average Annual 2000-2010 Separations	Average Annual 2000-2010 Total		
33-0000	Protective Service Occupations	3,316	4,461	1,145	34.5	115	93	208	n/a	n/a
33-1000	Supervisors, Protective Service Workers	351	428	77	21.9	8	10	18	n/a	n/a
33-1010	Supervisors, Law Enforcement Workers	177	203	26	14.7	3	5	8	n/a	n/a
33-1012	Supervisors of Police and Detectives	163	187	24	14.7	2	4	6	24.07	8
33-1021	Supervisors of Fire Fighting and Prevent	83	95	12	14.5	1	3	4	22.06	8
33-1099	Supervisors, Protective Service Workers	91	130	39	42.9	4	3	7	14.78	8
33-2000	Fire Fighting and Prevention Workers	368	434	66	17.9	7	10	17	n/a	n/a
33-2011	Fire Fighters	357	422	65	18.2	7	9	16	14.87	9
33-2021	Fire Inspectors and Investigators	*	*	*	*	*	*	*	16.80	8
33-3000	Law Enforcement Workers	878	1,070	192	21.9	19	19	38	n/a	n/a
33-3012	Correctional Officers and Jailers	232	268	36	15.5	4	6	10	12.90	10
33-3021	Detectives and Criminal Investigators	33	38	5	15.2	1	1	2	21.81	8
33-3050	Police Officers	596	745	149	25.0	15	13	28	n/a	n/a
33-3051	Police and Sheriff's Patrol Officers	592	743	151	25.5	15	13	28	16.87	9
33-9000	Other Protective Service Workers	1,719	2,529	810	47.1	81	54	135	n/a	n/a
33-9021	Private Detectives and Investigators	107	219	112	104.7	11	3	14	11.66	8
33-9032	Security Guards	1,443	2,117	674	46.7	67	39	106	9.13	11
33-9090	Miscellaneous Protective Service Workers	159	182	23	14.5	2	11	13	n/a	n/a
33-9091	Crossing Guards	*	*	*	*	*	*	*	7.00	11
33-9099	Protective Service Workers, All Other	136	157	21	15.4	2	10	12	10.69	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Food Preparation & Serving Related Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
35-0000	Food Preparation & Serving Related Occupations	16,304	18,358	2,054	12.6	205	703	908	n/a	n/a
35-1000	Supervisors, Food Prep. and Serving Workers	1,286	1,420	134	10.4	13	33	46	n/a	n/a
35-1010	Supervisors, Food Preparation and Serving	1,286	1,420	134	10.4	13	33	46	n/a	n/a
35-1011	Chefs and Head Cooks	162	173	11	6.8	1	5	6	12.75	7
35-1012	Supervisors of Food Preparation and Serving	1,124	1,247	123	10.9	12	28	40	10.66	8
35-2000	Cooks and Food Preparation Workers	4,926	5,443	517	10.5	52	154	206	n/a	n/a
35-2010	Cooks	3,582	3,846	264	7.4	26	102	128	n/a	n/a
35-2011	Cooks, Fast Food	1,279	1,226	-53	-4.1	0	36	36	7.23	11
35-2012	Cooks, Institution and Cafeteria	911	973	62	6.8	6	26	32	8.12	9
35-2014	Cooks, Restaurant	1,309	1,556	247	18.9	25	37	62	9.06	9
35-2015	Cooks, Short Order	81	89	8	9.9	1	2	3	11.71	11
35-2021	Food Preparation Workers	1,344	1,597	253	18.8	25	52	77	8.18	11
35-3000	Food and Beverage Serving Workers	7,863	9,365	1,502	19.1	150	440	590	n/a	n/a
35-3011	Bartenders	1,379	1,467	88	6.4	9	54	63	6.45	11
35-3020	Fast Food and Counter Workers	3,002	3,821	819	27.3	82	191	273	n/a	n/a
35-3021	Combined Food Prep. & Serving Workers	2,560	3,309	749	29.3	75	157	232	6.82	11
35-3031	Waiters and Waitresses	3,334	3,887	553	16.6	55	188	243	6.93	11
35-3041	Food Servers, Nonrestaurant	148	190	42	28.4	4	7	11	8.20	11
35-9000	Other Food Prep. & Serving Related Workers	2,229	2,130	-99	-4.4	0	77	77	n/a	n/a
35-9011	Dining Room, Cafeteria Attend. & Bartender Help	441	402	-39	-8.8	0	15	15	7.37	11
35-9021	Dishwashers	1,035	904	-131	-12.7	0	39	39	7.08	11
35-9031	Hosts & Hostesses, Restaurant, Lounge	692	765	73	10.5	7	21	28	7.00	11
35-9099	Food Prep. & Serving Related Workers, All Other	61	59	-2	-3.3	0	2	2	8.80	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Building, Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010 Growth Separations Total				
37-0000	Building, Grounds Cleaning & Maint. Occupations	6,501	7,735	1,234	19.0	123	133	256	n/a	n/a
37-1000	Supervisors, Building, Grounds Cleaning & Maint	315	358	43	13.7	4	7	11	n/a	n/a
37-1010	Supervisors, Building and Grounds Cleaning	315	358	43	13.7	4	7	11	n/a	n/a
37-1011	Supervisors of Housekeeping and Janitors	222	256	34	15.3	3	6	9	12.83	8
37-1012	Supervisors of Landscaping, Lawn Service	93	102	9	9.7	1	1	2	19.00	8
37-2000	Building Cleaning and Pest Control Workers	4,941	5,764	823	16.7	82	96	178	n/a	n/a
37-2010	Building Cleaning Workers	4,917	5,733	816	16.6	82	95	177	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids and Housekeep.	3,120	3,603	483	15.5	48	56	104	8.93	11
37-2012	Maids and Housekeeping Cleaners	1,797	2,130	333	18.5	33	39	72	8.68	11
37-3000	Grounds Maintenance Workers	1,163	1,518	355	30.5	36	29	65	n/a	n/a
37-3010	Grounds Maintenance Workers	1,163	1,518	355	30.5	36	29	65	n/a	n/a
37-3011	Landscaping and Groundskeeping Workers	1,052	1,381	329	31.3	33	26	59	10.14	11
37-9000	Misc. Building, Grounds Cleaning & Maint. Work	82	95	13	15.9	1	2	3	n/a	n/a
37-9099	Build., Grounds Clean. & Maint. Work, All Other	82	95	13	15.9	1	2	3	10.54	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Personal Care & Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010 Percent	Average Annual Growth	2000-2010 Separations	2001 Total		
39-0000	Personal Care and Service Occupations	7,649	9,353	1,704	22.3	170	251	421	n/a	n/a
39-1000	Supervisors, Personal Care & Service Workers	48	54	6	12.5	1	1	2	n/a	n/a
39-1021	Supervisors of Personal Service Workers	48	54	6	12.5	1	1	2	19.68	8
39-2000	Animal Care and Service Workers	127	161	34	26.8	3	3	6	n/a	n/a
39-2011	Animal Trainers	*	*	*	*	*	*	*	9.40	n/a
39-2021	Nonfarm Animal Caretakers	115	148	33	28.7	3	2	5	7.96	11
39-3000	Entertainment Attendants and Related Workers	332	387	55	16.6	6	16	22	n/a	n/a
39-3090	Misc. Entertainment Attendants & Related Work	152	176	24	15.8	2	5	7	n/a	n/a
39-3091	Amusement and Recreation Attendants	125	143	18	14.4	2	4	6	7.69	11
39-4000	Funeral Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-5000	Personal Appearance Workers	378	447	69	18.3	7	9	16	n/a	n/a
39-5010	Barbers and Cosmetologists	291	321	30	10.3	3	7	10	n/a	n/a
39-5012	Hairdressers, Hairstylists, and Cosmetologists	290	320	30	10.3	3	7	10	11.15	7
39-5090	Miscellaneous Personal Appearance Workers	87	126	39	44.8	4	2	6	n/a	n/a
39-5092	Manicurists and Pedicurists	*	*	*	*	*	*	*	10.54	7
39-6000	Transportation, Tourism & Lodging Attendants	1,910	2,359	449	23.5	45	66	111	n/a	n/a
39-6010	Baggage Porters, Bellhops, and Concierges	48	53	5	10.4	1	2	3	n/a	n/a
39-6011	Baggage Porters and Bellhops	37	40	3	8.1	0	1	1	6.70	11
39-9000	Other Personal Care and Service Workers	4,825	5,913	1,088	22.5	109	156	265	n/a	n/a
39-9011	Child Care Workers	4,266	5,221	955	22.4	96	145	241	8.00	11
39-9021	Personal and Home Care Aides	153	215	62	40.5	6	2	8	7.52	11
39-9030	Recreation and Fitness Workers	279	326	47	16.8	5	6	11	n/a	n/a
39-9031	Fitness Trainers and Aerobics Instructors	147	173	26	17.7	3	3	6	9.37	7
39-9032	Recreation Workers	132	153	21	15.9	2	3	5	9.26	5
39-9099	Personal Care and Service Workers, All Other	112	135	23	20.5	2	3	5	7.48	10

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Sales and Related Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
41-0000	Sales and Related Occupations	19,512	22,707	3,195	16.4	320	671	991	n/a	n/a
41-1000	Supervisors, Sales Workers	2,386	2,679	293	12.3	29	35	64	n/a	n/a
41-1010	Supervisors, Sales Workers	2,386	2,679	293	12.3	29	35	64	n/a	n/a
41-1011	Supervisors of Retail Sales Workers	2,075	2,331	256	12.3	26	30	56	15.30	8
41-1012	Supervisors of Non-Retail Sales Workers	311	348	37	11.9	4	5	9	25.73	8
41-2000	Retail Sales Workers	13,147	15,218	2,071	15.8	207	542	749	n/a	n/a
41-2011	Cashiers	5,257	5,868	611	11.6	61	238	299	7.51	11
41-2020	Counter, Rental Clerks & Parts Salespersons	998	1,113	115	11.5	12	41	53	n/a	n/a
41-2021	Counter and Rental Clerks	747	877	130	17.4	13	34	47	8.77	11
41-2022	Parts Salespersons	251	236	-15	-6.0	0	8	8	11.22	10
41-2031	Retail Salespersons	6,892	8,237	1,345	19.5	135	262	397	9.44	11
41-3000	Sales Representatives, Services	987	1,215	228	23.1	23	18	41	n/a	n/a
41-3011	Advertising Sales Agents	74	92	18	24.3	2	2	4	18.98	10
41-3021	Insurance Sales Agents	248	238	-10	-4.0	0	6	6	30.77	5
41-3099	Sales Representatives, Services, All Other	221	367	146	66.1	15	5	20	20.43	10
41-4000	Sales Reps, Wholesale and Manufacturing	1,789	1,992	203	11.3	20	49	69	n/a	n/a
41-4010	Sales Reps, Wholesale and Manufacturing	1,789	1,992	203	11.3	20	49	69	n/a	n/a
41-4011	Sales Reps, Wholesale & Manuf., Technical	323	367	44	13.6	4	9	13	25.39	10
41-4012	Sales Reps, Wholesale & Manuf., Ex. Technical	1,466	1,625	159	10.8	16	40	56	23.96	10
41-9000	Other Sales and Related Workers	1,203	1,603	400	33.3	40	28	68	n/a	n/a
41-9010	Models, Demonstrators, and Product Promoters	179	266	87	48.6	9	6	15	n/a	n/a
41-9011	Demonstrators and Product Promoters	178	264	86	48.3	9	6	15	10.79	10
41-9020	Real Estate Brokers and Sales Agents	181	193	12	6.6	1	3	4	n/a	n/a
41-9022	Real Estate Sales Agents	177	189	12	6.8	1	3	4	14.91	7
41-9031	Sales Engineers	57	57	0	0.0	0	2	2	23.85	5
41-9041	Telemarketers	200	247	47	23.5	5	4	9	13.48	11
41-9090	Miscellaneous Sales and Related Workers	586	840	254	43.3	25	13	38	n/a	n/a
41-9099	Sales and Related Workers, All Other	478	727	249	52.1	25	11	36	16.85	10

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Office & Administrative Support Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
43-0000 Office and Administrative Support Occupations		33,030	39,731	6,701	20.3	670	732	1,402	n/a	n/a
43-1000	Supervisors, Office & Admin. Support Workers	2,084	2,524	440	21.1	44	40	84	n/a	n/a
43-1011	Supervisors of Office and Administrative	2,084	2,524	440	21.1	44	40	84	18.25	8
43-2000	Communications Equipment Operators	241	222	-19	-7.9	0	7	7	n/a	n/a
43-2011	Switchboard Operators, Inc. Answering Service	236	218	-18	-7.6	0	7	7	9.74	11
43-3000	Financial Clerks	4,353	5,865	1,512	34.7	151	110	261	n/a	n/a
43-3021	Billing, Posting Clerks and Machine Operators	742	929	187	25.2	19	18	37	12.64	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,026	2,194	168	8.3	17	39	56	12.33	10
43-3051	Payroll and Timekeeping Clerks	251	275	24	9.6	2	7	9	14.31	11
43-3061	Procurement Clerks	76	81	5	6.6	1	2	3	14.60	11
43-3071	Tellers	545	492	-53	-9.7	0	26	26	8.76	11
43-4000	Information and Record Clerks	9,636	12,422	2,786	28.9	279	199	478	n/a	n/a
43-4021	Correspondence Clerks	*	*	*	*	*	*	*	12.17	11
43-4041	Credit Authorizers, Checkers, and Clerks	52	61	9	17.3	1	1	2	18.85	11
43-4051	Customer Service Representatives	2,575	4,285	1,710	66.4	171	22	193	12.89	10
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	*	*	*	15.08	10
43-4071	File Clerks	194	229	35	18.0	4	6	10	9.01	11
43-4081	Hotel, Motel, and Resort Desk Clerks	333	428	95	28.5	10	15	25	7.97	11
43-4111	Interviewers, Except Eligibility and Loan	238	368	130	54.6	13	5	18	10.19	11
43-4121	Library Assistants, Clerical	217	269	52	24.0	5	10	15	8.34	11
43-4131	Loan Interviewers and Clerks	143	85	-58	-40.6	0	1	1	11.99	11
43-4151	Order Clerks	330	285	-45	-13.6	0	7	7	12.37	11
43-4161	Human Res. Assist, Ex. Payroll & Timekeeping	166	216	50	30.1	5	4	9	13.43	11
43-4171	Receptionists and Information Clerks	1,241	1,618	377	30.4	38	27	65	9.62	11
43-4999	Financial, Information & Record Clerks, All Other	621	547	-74	-11.9	0	8	8	12.97	11
43-5000	Material Record, Schedule, Dispatch & Distribute	7,013	7,819	806	11.5	81	197	278	n/a	n/a
43-5011	Cargo and Freight Agents	192	267	75	39.1	8	4	12	16.95	10
43-5021	Couriers and Messengers	101	104	3	3.0	0	3	3	8.58	11
43-5030	Dispatchers	456	535	79	17.3	8	8	16	n/a	n/a
43-5031	Police, Fire, and Ambulance Dispatchers	223	259	36	16.1	4	4	8	14.05	10
43-5032	Dispatchers, Except Police, Fire, and Ambulance	233	276	43	18.5	4	4	8	12.73	10
43-5041	Meter Readers, Utilities	70	51	-19	-27.1	0	2	2	12.82	11
43-5050	Postal Service Workers	636	483	-153	-24.1	0	19	19	n/a	n/a
43-5051	Postal Service Clerks	49	37	-12	-24.5	0	1	1	18.58	11
43-5052	Postal Service Mail Carriers	557	423	-134	-24.1	0	17	17	17.97	11
43-5053	Postal Serv. Mail Sorter, Processor & Processing	*	*	*	*	*	*	*	12.58	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Office & Administrative Support Occs. (cont'd)

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010				
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
43-5061	Production, Planning, and Expediting Clerks	570	700	130	22.8	13	10	23	15.61	11
43-5071	Shipping, Receiving, and Traffic Clerks	1,380	1,619	239	17.3	24	28	52	12.90	11
43-5081	Stock Clerks and Order Fillers	3,293	3,617	324	9.8	32	117	149	9.92	11
43-5199	Material Record, Schedule, Dispatch & Distribute	*	*	*	*	*	*	*	19.89	11
43-6000	Secretaries and Administrative Assistants	4,960	5,606	646	13.0	65	84	149	n/a	n/a
43-6010	Secretaries and Administrative Assistants	4,960	5,606	646	13.0	65	84	149	n/a	n/a
43-6011	Executive Secretaries & Administrative Assistants	2,357	2,852	495	21.0	50	40	90	15.64	10
43-6012	Legal Secretaries	115	148	33	28.7	3	2	5	12.91	7
43-6013	Medical Secretaries	443	574	131	29.6	13	8	21	12.03	7
43-6014	Secretaries, Except Legal, Medical, and Executive	2,045	2,032	-13	-0.6	0	35	35	11.52	10
43-9000	Other Office & Administrative Support Workers	4,743	5,273	530	11.2	53	95	148	n/a	n/a
43-9011	Computer Operators	162	124	-38	-23.5	0	3	3	17.37	10
43-9020	Data Entry and Information Processing Workers	626	579	-47	-7.5	0	11	11	n/a	n/a
43-9021	Data Entry Keyers	478	458	-20	-4.2	0	8	8	10.44	10
43-9022	Word Processors and Typists	148	121	-27	-18.2	0	3	3	12.18	10
43-9031	Desktop Publishers	72	117	45	62.5	5	1	6	15.67	7
43-9051	Mail Clerks & Mail Machine Ops, Ex. Postal Serv	340	315	-25	-7.4	0	10	10	11.17	11
43-9061	Office Clerks, General	3,198	3,811	613	19.2	61	61	122	11.22	11
43-9081	Proofreaders and Copy Markers	*	*	*	*	*	*	*	12.26	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	15.03	10
43-9999	Secretaries, Admin. Assist & Other Office Support	148	170	22	14.9	2	2	4	12.68	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Farming, Fishing & Forestry Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010 Growth Separations Total				
45-0000	Farming, Fishing, and Forestry Occupations	502	532	30	6.0	3	15	18	n/a	n/a
45-1000	Supervisors, Farming, Fishing & Forestry Worker	*	*	*	*	*	*	*	n/a	n/a
45-1011	Supervisors of Farming, Fishing & Forestry	*	*	*	*	*	*	*	13.50	10
45-2000	Agricultural Workers	243	266	23	9.5	2	7	9	n/a	n/a
45-2090	Miscellaneous Agricultural Workers	122	145	23	18.9	2	4	6	n/a	n/a
45-3000	Fishing and Hunting Workers	167	208	41	24.6	4	5	9	n/a	n/a
45-3010	Fishers and Related Fishing Workers	167	208	41	24.6	4	5	9	n/a	n/a
45-9000	Other Farming, Fishing, and Forestry Workers	68	43	-25	-36.8	0	2	2	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Construction & Extraction Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total	2001	Req'd~
47-0000	Construction and Extraction Occupations	7,359	8,265	906	12.3	91	138	229	n/a	n/a
47-1000	Supervisors, Construction & Extraction Workers	1,022	1,125	103	10.1	10	23	33	n/a	n/a
47-1011	Supervisors of Construction Trades & Extraction	1,022	1,125	103	10.1	10	23	33	22.62	8
47-2000	Construction Trades Workers	5,605	6,347	742	13.2	74	90	164	n/a	n/a
47-2020	Brickmasons, Blockmasons, and Stonemasons	169	192	23	13.6	2	3	5	n/a	n/a
47-2031	Carpenters	993	1,092	99	10.0	10	17	27	15.63	9
47-2050	Cement Mason, Concrete Finish & Terrazzo Work	202	224	22	10.9	2	2	4	n/a	n/a
47-2051	Cement Masons and Concrete Finishers	200	221	21	10.5	2	2	4	14.43	9
47-2061	Construction Laborers	1,115	1,271	156	14.0	16	10	26	13.69	10
47-2070	Construction Equipment Operators	569	589	20	3.5	2	12	14	n/a	n/a
47-2071	Paving, Surfacing & Tamping Equip. Operators	62	69	7	11.3	1	1	2	20.32	10
47-2073	Operating Eng. & Other Construction Equip. Ops	500	512	12	2.4	1	11	12	18.95	10
47-2111	Electricians	897	1,129	232	25.9	23	17	40	19.53	9
47-2140	Painters and Paperhangers	282	315	33	11.7	3	5	8	n/a	n/a
47-2141	Painters, Construction and Maintenance	250	279	29	11.6	3	4	7	13.21	10
47-2142	Paperhangers	32	36	4	12.5	0	1	1	17.72	10
47-2150	Pipelayers, Plumbers, Pipefitters & Steamfitters	565	614	49	8.7	5	9	14	n/a	n/a
47-2151	Pipelayers	62	70	8	12.9	1	1	2	16.78	10
47-2152	Plumbers, Pipefitters, and Steamfitters	503	544	41	8.2	4	8	12	19.13	9
47-2211	Sheet Metal Workers	276	332	56	20.3	6	6	12	12.37	10
47-3000	Helpers, Construction Trades	315	350	35	11.1	4	16	20	n/a	n/a
47-3010	Helpers, Construction Trades	315	350	35	11.1	4	16	20	n/a	n/a
47-3012	Helpers--Carpenters	39	40	1	2.6	0	2	2	10.24	11
47-3013	Helpers--Electricians	68	77	9	13.2	1	3	4	10.48	11
47-3015	Helpers--Pipelayer, Plumber, Pipefitter & Steamfit	93	100	7	7.5	1	5	6	11.24	11
47-4000	Other Construction and Related Workers	385	412	27	7.0	3	7	10	n/a	n/a
47-4011	Construction and Building Inspectors	81	109	28	34.6	3	2	5	18.35	8
47-4051	Highway Maintenance Workers	199	204	5	2.5	1	3	4	12.26	10
47-5000	Extraction Workers	32	31	-1	-3.1	0	1	1	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Installation, Maintenance & Repair Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
49-0000	Installation, Maintenance, and Repair Occupations	8,004	9,344	1,340	16.7	134	177	311	n/a	n/a
49-1000	Supervisors of Install., Maint. & Repair Workers	789	961	172	21.8	17	21	38	n/a	n/a
49-1011	Supervisors of Mechanics, Installers	789	961	172	21.8	17	21	38	20.27	8
49-2000	Electrical & Electronic Equip. Mech., Installers	691	824	133	19.2	13	11	24	n/a	n/a
49-2011	Computer, Auto. Teller & Office Machine Repairer	323	428	105	32.5	11	4	15	19.17	7
49-2020	Radio & Telecommunications Equip. Installers	108	112	4	3.7	0	2	2	n/a	n/a
49-2022	Telecommunications Equip. Installer & Repairer	107	111	4	3.7	0	2	2	18.65	7
49-2090	Misc. Electrical and Electronic Equipment	260	284	24	9.2	2	5	7	n/a	n/a
49-2094	Electrical & Electronics Repair, Commerc. & Ind.	124	139	15	12.1	2	3	5	20.13	7
49-2099	Electrical & Electronic Equip. Mech. & Installers	33	40	7	21.2	1	1	2	13.66	7
49-3000	Vehicle & Mobile Equip. Mechanics, Installers	2,614	3,207	593	22.7	59	66	125	n/a	n/a
49-3020	Automotive Technicians and Repairers	1,225	1,564	339	27.7	34	30	64	n/a	n/a
49-3023	Automotive Service Technicians and Mechanics	616	815	199	32.3	20	15	35	15.61	7
49-3031	Bus, Truck Mechanics & Diesel Engine Spec.	319	373	54	16.9	5	8	13	15.09	7
49-3040	Heavy Vehicle & Mobile Equip. Service Tech.	274	320	46	16.8	5	7	12	n/a	n/a
49-3042	Mobile Heavy Equip. Mechanics, Except Engines	234	293	59	25.2	6	6	12	19.06	7
49-3050	Small Engine Mechanics	70	71	1	1.4	0	2	2	n/a	n/a
49-3053	Outdoor Power Equip., Other Small Engine Mech	46	49	3	6.5	0	1	1	11.45	10
49-3090	Misc Vehicle and Mobile Equip. Mech., Install	244	270	26	10.7	3	9	12	n/a	n/a
49-3093	Tire Repairers and Changers	232	256	24	10.3	2	9	11	8.84	11
49-9000	Other Installation, Maintenance & Repair Occs	3,910	4,352	442	11.3	44	79	123	n/a	n/a
49-9012	Control, Valve Installers & Repairers, Ex. Mech	115	127	12	10.4	1	4	5	13.42	10
49-9021	Heating, Air Conditioning & Refrigeration Mech	145	176	31	21.4	3	2	5	15.55	9
49-9031	Home Appliance Repairers	57	74	17	29.8	2	1	3	11.95	9
49-9040	Industrial Machinery Install, Repair & Maint Work	2,729	2,967	238	8.7	24	47	71	n/a	n/a
49-9041	Industrial Machinery Mechanics	400	471	71	17.8	7	11	18	18.02	9
49-9042	Maintenance and Repair Workers, General	1,972	2,115	143	7.3	14	26	40	14.18	9
49-9043	Maintenance Workers, Machinery	43	47	4	9.3	0	1	1	14.10	9
49-9060	Precision Instrument and Equipment Repairers	34	47	13	38.2	1	1	2	n/a	n/a
49-9090	Misc. Installation, Maintenance & Repair Workers	584	693	109	18.7	11	18	29	n/a	n/a
49-9094	Locksmiths and Safe Repairers	*	*	*	*	*	*	*	10.80	10
49-9098	Helpers--Installation, Maint. & Repair Workers	195	217	22	11.3	2	10	12	10.75	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Northern Kentucky Area

Production Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010 Growth Separations Total				
51-0000 Production Occupations		17,554	20,451	2,897	16.5	290	397	687	n/a	n/a
51-1000	Supervisors, Production Workers	1,264	1,385	121	9.6	12	33	45	n/a	n/a
51-1011	Supervisors of Production and Operating	1,264	1,385	121	9.6	12	33	45	20.43	8
51-2000	Assemblers and Fabricators	3,833	4,685	852	22.2	85	71	156	n/a	n/a
51-2020	Electrical, Electronics & Electromech. Assemb.	390	393	3	0.8	0	10	10	n/a	n/a
51-2022	Electrical and Electronic Equipment Assemblers	132	123	-9	-6.8	0	3	3	11.25	11
51-2023	Electromechanical Equipment Assemblers	179	180	1	0.6	0	5	5	14.25	11
51-2090	Miscellaneous Assemblers and Fabricators	3,091	3,877	786	25.4	79	54	133	n/a	n/a
51-2092	Team Assemblers	2,069	2,449	380	18.4	38	36	74	12.28	10
51-2099	Assemblers and Fabricators, All Other	963	1,373	410	42.6	41	17	58	10.29	10
51-3000	Food Processing Workers	1,037	1,153	116	11.2	12	22	34	n/a	n/a
51-3011	Bakers	179	214	35	19.6	4	3	7	9.64	9
51-3020	Butchers, Meat, Poultry & Fish Process Work	250	232	-18	-7.2	0	6	6	n/a	n/a
51-3021	Butchers and Meat Cutters	199	173	-26	-13.1	0	5	5	12.82	9
51-3090	Miscellaneous Food Processing Workers	608	707	99	16.3	10	13	23	n/a	n/a
51-3092	Food Batchmakers	179	193	14	7.8	1	4	5	15.67	11
51-4000	Metal Workers and Plastic Workers	4,139	4,950	811	19.6	81	102	183	n/a	n/a
51-4010	Computer Control Programmers and Operators	419	507	88	21.0	9	15	24	n/a	n/a
51-4011	Computer-Controlled Mach. Tool Ops.	364	444	80	22.0	8	13	21	15.34	9
51-4012	Numerical Tool & Process Control Programmers	55	63	8	14.5	1	2	3	16.69	9
51-4020	Forming Machine Setter, Operator & Tender	478	537	59	12.3	6	12	18	n/a	n/a
51-4021	Extruding & Drawing Machine Setter, Operator	378	423	45	11.9	5	8	13	14.58	10
51-4023	Rolling Machine Setter, Operator &Tender	94	108	14	14.9	1	3	4	13.85	10
51-4030	Machine Tool Cutting Setter, Operator & Tender	1,032	1,170	138	13.4	14	25	39	n/a	n/a
51-4031	Cutting, Punching & Press Machine Setters	654	733	79	12.1	8	13	21	11.82	10
51-4032	Drilling and Boring Machine Tool Setter, Operator	75	70	-5	-6.7	0	2	2	13.10	10
51-4034	Lathe & Turning Machine Tool Setter, Operator	128	137	9	7.0	1	5	6	14.31	10
51-4041	Machinists	797	1,017	220	27.6	22	16	38	14.75	9
51-4050	Metal Furnace and Kiln Operators and Tenders	105	147	42	40.0	4	3	7	n/a	n/a
51-4060	Model Makers & Patternmakers, Metal & Plastic	*	*	*	*	*	*	*	n/a	n/a
51-4062	Patternmakers, Metal and Plastic	*	*	*	*	*	*	*	13.04	10
51-4081	Multiple Machine Tool Setter, Operator & Tender	123	171	48	39.0	5	2	7	13.91	10
51-4111	Tool and Die Makers	80	85	5	6.3	1	2	3	17.40	9
51-4120	Welding, Soldering, and Brazing Workers	567	677	110	19.4	11	16	27	n/a	n/a
51-4121	Welders, Cutters, Solderers, and Brazers	496	594	98	19.8	10	14	24	14.26	7
51-4122	Welding, Soldering & Brazing Machine Setter	71	83	12	16.9	1	2	3	14.23	10
51-4190	Miscellaneous Metalworkers and Plastic Workers	210	252	42	20.0	4	5	9	n/a	n/a
51-4191	Heat Treating Equip. Setter, Operator & Tender	99	135	36	36.4	4	2	6	15.51	10

Northern Kentucky Area

Production Occupations (cont'd)

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
51-5000	Printing Workers	1,401	1,568	167	11.9	17	36	53	n/a	n/a
51-5011	Bindery Workers	460	572	112	24.3	11	12	23	11.31	10
51-5020	Printers	932	988	56	6.0	6	23	29	n/a	n/a
51-5022	Prepress Technicians and Workers	174	153	-21	-12.1	0	4	4	17.79	9
51-5023	Printing Machine Operators	538	586	48	8.9	5	14	19	14.80	10
51-6000	Textile, Apparel, and Furnishings Workers	1,133	1,304	171	15.1	17	21	38	n/a	n/a
51-6011	Laundry and Dry-Cleaning Workers	271	340	69	25.5	7	7	14	8.31	10
51-6031	Sewing Machine Operators	404	491	87	21.5	9	4	13	10.05	10
51-6050	Tailors, Dressmakers, and Sewers	76	78	2	2.6	0	2	2	n/a	n/a
51-6052	Tailors, Dressmakers, and Custom Sewers	59	60	1	1.7	0	1	1	10.17	8
51-6090	Misc. Textile, Apparel & Furnishings Workers	93	107	14	15.1	1	3	4	n/a	n/a
51-7000	Woodworkers	217	237	20	9.2	2	8	10	n/a	n/a
51-7011	Cabinetmakers and Bench Carpenters	146	162	16	11.0	2	5	7	14.45	9
51-7040	Woodworking Machine Setter, Operator	62	65	3	4.8	0	3	3	n/a	n/a
51-7041	Sawing Machine Setter, Operator & Tender	32	36	4	12.5	0	1	1	10.26	10
51-8000	Plant and System Operators	637	665	28	4.4	3	20	23	n/a	n/a
51-8010	Power Plant Operator, Distributor & Dispatcher	41	43	2	4.9	0	1	1	n/a	n/a
51-8021	Stationary Engineers and Boiler Operators	49	49	0	0.0	0	1	1	19.39	9
51-8090	Miscellaneous Plant and System Operators	365	362	-3	-0.8	0	11	11	n/a	n/a
51-9000	Other Production Occupations	3,893	4,504	611	15.7	61	87	148	n/a	n/a
51-9010	Chemical Process. Mach. Setter, Operator	50	60	10	20.0	1	1	2	n/a	n/a
51-9020	Crushing, Grinding, Polishing, Mixing & Blending	281	321	40	14.2	4	6	10	n/a	n/a
51-9021	Crushing, Grinding & Polishing Machine Setters	43	51	8	18.6	1	1	2	11.59	10
51-9023	Mixing & Blending Machine Setter, Operator	211	237	26	12.3	3	5	8	13.72	10
51-9030	Cutting Workers	142	158	16	11.3	2	3	5	n/a	n/a
51-9032	Cutting & Slicing Machine Setter, Operator	137	153	16	11.7	2	2	4	15.62	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	706	759	53	7.5	5	16	21	14.32	10
51-9080	Medical, Dental & Ophthalmic Laboratory Tech.	79	68	-11	-13.9	0	2	2	n/a	n/a
51-9081	Dental Laboratory Technicians	65	55	-10	-15.4	0	2	2	14.04	n/a
51-9111	Packaging, Filling Machine Operators & Tenders	356	485	129	36.2	13	8	21	11.53	11
51-9120	Painting Workers	392	489	97	24.7	10	9	19	n/a	n/a
51-9121	Coating, Painting & Spraying Machine Setters	249	306	57	22.9	6	6	12	13.77	10
51-9122	Painters, Transportation Equipment	137	176	39	28.5	4	3	7	15.41	10
51-9130	Photo. Process Workers & Process. Mach. Ops	61	73	12	19.7	1	2	3	n/a	n/a
51-9132	Photographic Processing Machine Operators	58	69	11	19.0	1	2	3	8.01	11
51-9190	Miscellaneous Production Workers	1,709	1,968	259	15.2	26	38	64	n/a	n/a
51-9198	Helpers--Production Workers	794	997	203	25.6	20	20	40	11.14	11
51-9199	Production Workers, All Other	253	317	64	25.3	6	5	11	12.54	10

Northern Kentucky Area

Transportation & Material Moving Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
53-0000 Transportation and Material Moving Occupations		18,227	22,636	4,409	24.2	441	436	877	n/a	n/a
53-1000	Supervisors, Transp. & Material Moving Worker	550	715	165	30.0	17	12	29	n/a	n/a
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	22.61	8
53-1021	Supervisors of Helper, Laborer & Material Moving	234	310	76	32.5	8	5	13	15.96	8
53-1031	Supervisors of Transportation & Material Moving	296	381	85	28.7	9	6	15	21.97	8
53-2000	Air Transportation Workers	2,138	2,392	254	11.9	25	52	77	n/a	n/a
53-2010	Aircraft Pilots and Flight Engineers	1,977	2,222	245	12.4	25	45	70	n/a	n/a
53-2020	Air Traffic Controllers & Airfield Ops. Specialists	161	170	9	5.6	1	7	8	n/a	n/a
53-3000	Motor Vehicle Operators	5,671	7,386	1,715	30.2	172	87	259	n/a	n/a
53-3020	Bus Drivers	875	980	105	12.0	11	22	33	n/a	n/a
53-3022	Bus Drivers, School	609	659	50	8.2	5	16	21	11.92	11
53-3030	Driver/Sales Workers and Truck Drivers	4,262	5,726	1,464	34.4	146	59	205	n/a	n/a
53-3031	Driver/Sales Workers	536	551	15	2.8	2	7	9	14.36	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	2,601	3,849	1,248	48.0	125	36	161	15.33	10
53-3033	Truck Drivers, Light or Delivery Services	1,125	1,326	201	17.9	20	16	36	10.46	11
53-3041	Taxi Drivers and Chauffeurs	329	444	115	35.0	12	3	15	8.26	11
53-3099	Motor Vehicle Operators, All Other	204	235	31	15.2	3	4	7	7.87	11
53-4000	Rail Transportation Workers	376	293	-83	-22.1	0	17	17	n/a	n/a
53-4010	Locomotive Engineers and Operators	165	161	-4	-2.4	0	7	7	n/a	n/a
53-4011	Locomotive Engineers	135	125	-10	-7.4	0	6	6	n/a	11
53-5000	Water Transportation Workers	154	187	33	21.4	3	5	8	n/a	n/a
53-5011	Sailors and Marine Oilers	86	102	16	18.6	2	3	5	12.63	11
53-5021	Captains, Mates, and Pilots of Water Vessels	46	56	10	21.7	1	2	3	23.56	8
53-6000	Other Transportation Workers	468	539	71	15.2	7	19	26	n/a	n/a
53-6011	Bridge and Lock Tenders	*	*	*	*	*	*	*	19.06	n/a
53-7000	Material Moving Workers	8,870	11,124	2,254	25.4	225	244	469	n/a	n/a
53-7030	Dredge, Excavating & Loading Machine Operator	159	206	47	29.6	5	5	10	n/a	n/a
53-7032	Excavating, Loading Mach. & Dragline Operators	135	181	46	34.1	5	4	9	15.95	10
53-7041	Hoist and Winch Operators	65	84	19	29.2	2	1	3	18.27	10
53-7051	Industrial Truck and Tractor Operators	1,449	1,861	412	28.4	41	20	61	12.18	11
53-7060	Laborers and Material Movers, Hand	6,699	8,352	1,653	24.7	165	200	365	n/a	n/a
53-7061	Cleaners of Vehicles and Equipment	536	671	135	25.2	14	20	34	8.13	11
53-7062	Laborers, Freight, Stock & Material Movers, Hand	2,452	3,053	601	24.5	60	82	142	10.68	11
53-7063	Machine Feeders and Offbearers	361	343	-18	-5.0	0	13	13	11.14	11
53-7064	Packers and Packagers, Hand	3,350	4,285	935	27.9	94	85	179	9.50	11
53-7081	Refuse and Recyclable Material Collectors	210	277	67	31.9	7	9	16	10.05	11
53-7121	Tank Car, Truck, and Ship Loaders	32	33	1	3.1	0	1	1	15.51	10

Educational Classifications

Occupations are classified into one of eleven categories listed according to these principles:

- An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.
- Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.
- The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a post secondary award generally is needed for entry.

Postsecodary awards

(1) *First professional degree.* Completion of the degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requiries at least 3 years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires 1 or 2 years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's degree.* Completion of the degree generally requires at least 4 years, but not more than 5 years, of full-time academic study.

(5) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(6) *Associate degree.* Completion of the degree usually requires at least 2 years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are first-line supervisors/managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term on-the-job training.* More than 12 months on on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to 5 years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—insurance sales and securities sales, for example—trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability—such as that possessed by musicians, atheletes, actors, and other entertainers—that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term on-the-job training.* Skills needed to be fully qualified can be acquired during 1 to 12 months of combined on-the-job experience and informal training.

(11) *Short-term on-the-job training.* Skills needed to be fully qulaified can be acquired during a short demonstration of job duties or during 1 month or less of on-the-job experience or instruction.

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Advertising Sales Agents	41-3011	24
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Agricultural Managers	11-9010	9
Agricultural Workers	45-2000	27
Air Traffic Controllers & Airfield Ops. Specialists	53-2020	32
Air Transportation Workers	53-2000	32
Aircraft Cargo Handling Supervisors	53-1011	32
Aircraft Pilots and Flight Engineers	53-2010	32
Amusement and Recreation Attendants	39-3091	23
Animal Care and Service Workers	39-2000	23
Animal Trainers	39-2011	23
Appraisers and Assessors of Real Estate	13-2021	10
Architects, Except Landscape and Naval	17-1011	12
Architects, Except Naval	17-1010	12
Architects, Surveyors, and Cartographers	17-1000	12
Architectural and Civil Drafters	17-3011	12
Art and Design Workers	27-1000	17
Art and Design Workers, All Other	27-1099	17
Art Directors	27-1011	17
Artists and Related Workers	27-1010	17
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Assemblers and Fabricators, All Other	51-2099	30
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Baggage Porters, Bellhops, and Concierges	39-6010	23
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Barbers and Cosmetologists	39-5010	23
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Build., Grounds Clean. & Maint. Work, All Other	37-9099	22
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Building Cleaning Workers	37-2010	22
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Bus Drivers, School	53-3022	32
Bus, Truck Mechanics & Diesel Engine Spec.	49-3031	29
Business Operations Specialists	13-1000	10
Business Operations Specialists, All Other	13-1199	10
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Cardiovascular Technologists and Technicians	29-2031	18
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Cashiers	41-2011	24
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Chemical Engineers	17-2041	12
Chemical Process. Mach. Setter, Operator	51-9010	31
Chemical Technicians	19-4031	13
Chemists	19-2031	13
Chemists and Materials Scientists	19-2030	13
Chief Executives	11-1011	9
Child Care Workers	39-9011	23
Choreographers	27-2032	17
Civil Engineers	17-2051	12
Cleaners of Vehicles and Equipment	53-7061	32
Clinical Laboratory Technologists & Technicians	29-2010	18
Clinical, Counseling, and School Psychologists	19-3031	13
Coating, Painting & Spraying Machine Setters	51-9121	31

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Commercial and Industrial Designers	27-1021	17
Communications Equipment Operators	43-2000	25
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Computer and Information Systems Managers	11-3021	9
Computer Control Programmers and Operators	51-4010	30
Computer Operators	43-9011	26
Computer Science Teachers, Postsecondary	25-1021	16
Computer Software Eng., Systems Software	15-1032	11
Computer Software Engineers	15-1030	11
Computer Specialists	15-1000	11
Computer Specialists, All Other	15-1099	11
Computer Systems Analysts	15-1051	11
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Conservation Scientists	19-1031	13
Construction and Building Inspectors	47-4011	28
Construction Equipment Operators	47-2070	28
Construction Laborers	47-2061	28
Construction Managers	11-9021	9
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Cutting & Slicing Machine Setter, Operator	51-9032	31
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Database Administrators	15-1061	11
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Dental Laboratory Technicians	51-9081	31
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Dietetic Technicians	29-2051	18
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Dispatchers	43-5030	25
Dispatchers, Except Police, Fire, and Ambulance	43-5032	25
Drafters	17-3010	12
Drafters, Eng. & Mapping Technicians, All Other	17-3099	12
Drafters, Engineering, and Mapping Technicians	17-3000	12
Dredge, Excavating & Loading Machine Operator	53-7030	32
Drilling and Boring Machine Tool Setter, Operator	51-4032	30
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Driver/Sales Workers and Truck Drivers	53-3030	32
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Education Administrators, Postsecondary	11-9033	9
Educational, Vocational, and School Counselors	21-1012	14
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Electrical and Electronics Drafters	17-3012	12
Electrical and Electronics Engineers	17-2070	12
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Electromechanical Equipment Assemblers	51-2023	30
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Emergency Medical Technicians & Paramedics	29-2041	18
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Environmental Science & Protection Technicians	19-4091	13
Environmental Scientist & Specialist, Inc Health	19-2041	13
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Executive Secretaries & Administrative Assistants	43-6011	26
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Extruding & Drawing Machine Setter, Operator	51-4021	30
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Family and General Practitioners	29-1062	18
Farmers and Ranchers	11-9012	9
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File Clerks	43-4071	25
Financial Analysts	13-2051	10

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Financial Specialists	13-2000	10
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Fire Fighters	33-2011	20
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Food and Beverage Serving Workers	35-3000	21
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Forming Machine Setter, Operator & Tender	51-4020	30
Funeral Directors	11-9061	9
Funeral Service Workers	39-4000	23
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General and Operations Managers	11-1021	9
Graphic Designers	27-1024	17
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Grounds Maintenance Workers	37-3010	22

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Hairdressers, Hairstylists, and Cosmetologists	39-5012	23
Health & Safety Engineers, Ex. Mining Safety	17-2111	12
Health Diagnosing & Treating Pract., All Other	29-1199	18
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Health Educators	21-1091	14
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Heating, Air Conditioning & Refrigeration Mech	49-9021	29
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Helpers, Construction Trades	47-3010	28
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Helpers--Electricians	47-3013	28
Helpers--Installation, Maint. & Repair Workers	49-9098	29
Helpers--Pipelayer, Plumber, Pipefitter & Steamfit	47-3015	28
Helpers--Production Workers	51-9198	31
Highway Maintenance Workers	47-4051	28
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Legal Secretaries	43-6012	26
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Library Technicians	25-4031	16
Library, Museum, Training & Other Ed., All Other	25-9199	16
Licensed Practical & Licensed Vocational Nurses	29-2061	18
Life Scientists	19-1000	13
Life Scientists, All Other	19-1099	13
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Managers, All Other	11-9199	9
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Market Research Analysts	19-3021	13
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Mathematical Sci. Teachers, Postsecondary	25-1022	16
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Mechanical Drafters	17-3013	12
Mechanical Engineering Technicians	17-3027	12
Mechanical Engineers	17-2141	12
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Metal Workers and Plastic Workers	51-4000	30
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Misc. Counselors, Social, & Religious Workers	21-9000	14
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Misc. Health Practitioners and Technical Workers	29-9090	18
Misc. Installation, Maintenance & Repair Workers	49-9090	29
Misc. Life, Physical & Social Science Technicians	19-4090	13
Misc. Textile, Apparel & Furnishings Workers	51-6090	31
Miscellaneous Agricultural Workers	45-2090	27
Miscellaneous Assemblers and Fabricators	51-2090	30
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Miscellaneous Legal Support Workers	23-2090	15
Miscellaneous Media & Communication Workers	27-3090	17
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Miscellaneous Plant and System Operators	51-8090	31
Miscellaneous Postsecondary Teachers	25-1190	16
Miscellaneous Production Workers	51-9190	31
Miscellaneous Protective Service Workers	33-9090	20
Miscellaneous Sales and Related Workers	41-9090	24
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Nuclear Medicine Technologists	29-2033	18
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Nursing, Psychiatric, and Home Health Aides	31-1010	19

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Other Installation, Maintenance & Repair Occs	49-9000	29
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Other Production Occupations	51-9000	31
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Personal Appearance Workers	39-5000	23
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Pharmacy Aides	31-9095	19
Pharmacy Technicians	29-2052	18
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Printing Workers	51-5000	31
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Production Workers, All Other	51-9199	31
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Rail Transportation Workers	53-4000	32
Real Estate Brokers and Sales Agents	41-9020	24
Real Estate Sales Agents	41-9022	24
Receptionists and Information Clerks	43-4171	25
Recreation and Fitness Workers	39-9030	23
Recreation Workers	39-9032	23
Recreational Therapists	29-1125	18
Refuse and Recyclable Material Collectors	53-7081	32
Registered Nurses	29-1111	18
Rehabilitation Counselors	21-1015	14

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Religious Workers	21-2000	14
Respiratory Therapists	29-1126	18
Retail Sales Workers	41-2000	24
Retail Salespersons	41-2031	24
Rolling Machine Setter, Operator & Tender	51-4023	30
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Sailors and Marine Oilers	53-5011	32
Sales and Related Workers, All Other	41-9099	24
Sales Engineers	41-9031	24
Sales Managers	11-2022	9
Sales Representatives, Services	41-3000	24
Sales Representatives, Services, All Other	41-3099	24
Sales Reps, Wholesale & Manuf., Ex. Technical	41-4012	24
Sales Reps, Wholesale & Manuf., Technical	41-4011	24
Sales Reps, Wholesale and Manufacturing	41-4000	24
Sales Reps, Wholesale and Manufacturing	41-4010	24
Sawing Machine Setter, Operator & Tender	51-7041	31
Sec. School Teachers, Ex. Special & Voc. Ed	25-2031	16
Secondary School Teachers	25-2030	16
Secretaries and Administrative Assistants	43-6000	26
Secretaries and Administrative Assistants	43-6010	26
Secretaries, Admin. Assist & Other Office Support	43-9999	26
Secretaries, Except Legal, Medical, and Executive	43-6014	26
Security Guards	33-9032	20
Self-Enrichment Education Teachers	25-3021	16
Sewing Machine Operators	51-6031	31
Sheet Metal Workers	47-2211	28
Shipping, Receiving, and Traffic Clerks	43-5071	26
Small Engine Mechanics	49-3050	29
Social and Community Service Managers	11-9151	9
Social and Human Service Assistants	21-1093	14
Social Scientists and Related Workers	19-3000	13
Social Scientists and Related Workers, All Other	19-3099	13
Social Workers	21-1020	14
Special Ed. Teachers, Preschool to Elementary	25-2041	16
Special Education Teachers	25-2040	16
Special Education Teachers, Middle School	25-2042	16

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Special Education Teachers, Secondary School	25-2043	16
Speech-Language Pathologists	29-1127	18
Stationary Engineers and Boiler Operators	51-8021	31
Statistical Assistants	43-9111	26
Stock Clerks and Order Fillers	43-5081	26
Substance Abuse & Behavioral Disorder Couns.	21-1011	14
Supervisors of Construction Trades & Extraction	47-1011	28
Supervisors of Farming, Fishing & Forestry	45-1011	27
Supervisors of Fire Fighting and Prevent	33-1021	20
Supervisors of Food Preparation and Serving	35-1012	21
Supervisors of Helper, Laborer & Material Moving	53-1021	32
Supervisors of Housekeeping and Janitors	37-1011	22
Supervisors of Install., Maint. & Repair Workers	49-1000	29
Supervisors of Landscaping, Lawn Service	37-1012	22
Supervisors of Mechanics, Installers	49-1011	29
Supervisors of Non-Retail Sales Workers	41-1012	24
Supervisors of Office and Administrative	43-1011	25
Supervisors of Personal Service Workers	39-1021	23
Supervisors of Police and Detectives	33-1012	20
Supervisors of Production and Operating	51-1011	30
Supervisors of Retail Sales Workers	41-1011	24
Supervisors of Transportation & Material Moving	53-1031	32
Supervisors, Building and Grounds Cleaning	37-1010	22
Supervisors, Building, Grounds Cleaning & Maint	37-1000	22
Supervisors, Construction & Extraction Workers	47-1000	28
Supervisors, Farming, Fishing & Forestry Worker	45-1000	27
Supervisors, Food Prep. and Serving Workers	35-1000	21
Supervisors, Food Preparation and Serving	35-1010	21
Supervisors, Law Enforcement Workers	33-1010	20
Supervisors, Office & Admin. Support Workers	43-1000	25
Supervisors, Personal Care & Service Workers	39-1000	23
Supervisors, Production Workers	51-1000	30
Supervisors, Protective Service Workers	33-1000	20
Supervisors, Protective Service Workers	33-1099	20
Supervisors, Sales Workers	41-1000	24
Supervisors, Sales Workers	41-1010	24
Supervisors, Transp. & Material Moving Worker	53-1000	32
Surgical Technologists	29-2055	18
Surveyors, Cartographers & Photogrammetrists	17-1020	12

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Switchboard Operators, Inc. Answering Service	43-2011	25
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Tailors, Dressmakers, and Custom Sewers	51-6052	31
Tailors, Dressmakers, and Sewers	51-6050	31
Tank Car, Truck, and Ship Loaders	53-7121	32
Tax Examiners, Collectors, and Revenue Agents	13-2081	10
Tax Examiners, Collectors, Preparers & Revenue	13-2080	10
Tax Preparers	13-2082	10
Taxi Drivers and Chauffeurs	53-3041	32
Teacher Assistants	25-9041	16
Teachers, Primary, Secondary & Adult, All Other	25-3999	16
Team Assemblers	51-2092	30
Telecommunications Equip. Installer & Repairer	49-2022	29
Telemarketers	41-9041	24
Tellers	43-3071	25
Textile, Apparel, and Furnishings Workers	51-6000	31
Therapists	29-1120	18
Tire Repairers and Changers	49-3093	29
Title Examiners, Abstractors, and Searchers	23-2093	15
Tool and Die Makers	51-4111	30
Top Executives	11-1000	9
Training and Development Specialists	13-1073	10
Transportation, Storage & Distribution Managers	11-3071	9
Transportation, Tourism & Lodging Attendants	39-6000	23
Truck Drivers, Heavy and Tractor-Trailer	53-3032	32
Truck Drivers, Light or Delivery Services	53-3033	32
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Vehicle & Mobile Equip. Mechanics, Installers	49-3000	29
Veterinarians	29-1131	18
Veterinary Assist. & Lab. Animal Caretakers	31-9096	19
Vocational Ed. Teachers, Secondary School	25-2032	16
Vocational Education Teachers, Postsecondary	25-1194	16

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Waiters and Waitresses	35-3031	21
Water Transportation Workers	53-5000	32
Welders, Cutters, Solderers, and Brazers	51-4121	30
Welding, Soldering & Brazing Machine Setter	51-4122	30
Welding, Soldering, and Brazing Workers	51-4120	30
Wholesale & Retail Buyers, Ex. Farm Products	13-1022	10
Woodworkers	51-7000	31
Woodworking Machine Setter, Operator	51-7040	31
Word Processors and Typists	43-9022	26
Writers and Editors	27-3040	17